Radio AMATEUR Call Book Magazine

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SPRING, 1940

Here are the new ICAS Ratings!

(INTERMITTENT COMMERCIAL AND AMATEUR SERVICE)

DOLLAR FOR DOLLAR . . . WATT FOR WATT *RCA's TOP THEM ALL!*

Now, thanks to the new "Dual Rating" system for many popular RCA Air-Cooled Transmitting Tubes, you can take complete, fully-informed advantage of the big, extra measure of quality for which RCA Tubes have long been famous!

This new RCA Rating System recognizes that amateurs, as well as many other users, seldom operate power amplifier tubes under the constant, 18-hour-a-day-or-better, "key-down" conditions on which RCA Class C Telegraphy Ratings have been based. Two sets of maximum ratings are now given for each tube. One set is designated as "Continuous Commercial Service" (CCS) Ratings. These are essentially the same as the old maximum ratings. The other ratings, much higher, are known as "Intermittent Commercial and Amateur Service" (ICAS) Ratings and will be found entirely suitable for average intermittent use.

These new ICAS Ratings pave the way for the finest amateur power tube buys on the market today. Dollar for dollar, watt for watt, they give you the utmost in low initial cost plus maximum power output, *plus real dependability!*

ICAS (Intermittent Commercial and Amateur Service) Ratings for class C telegraphy on leading RCA Transmitting Tube types. Bulletin giving complete details free upon request to RCA Manufacturing Co., Commercial Engineering Section, Harrison, N. J.

802—R-f Amplifier Pentode.
Max. plate voltage . . . . . 600 V.
Max. d-c plate input . . . . . 33 W.
Grid driving power . . . . . 0.3 W.
$3.50 Amateur Net

804—R-f Amplifier Pentode.
Max. plate voltage . . . . . 1500 V.
Max. d-c plate input . . . . . 150 W.
Grid driving power . . . . . 1.95 W.
$15.00 Amateur Net

806—Tantalum-plate Triode.
Max. plate voltage . . . . . 3300 V.
Max. d-c plate input . . . . . 1000 W.
Grid driving power . . . . . 34 W.
$22.00 Amateur Net

807—Beam Power Tetrode.
Max. plate voltage . . . . . 750 V.
Max. d-c plate input . . . . . 75 W.
Grid driving power . . . . . 0.22 W.
$3.50 Amateur Net

809—High-mu Triode.
Max. plate voltage . . . . . 1000 V.
Max. d-c plate input . . . . . 100 W.
Grid driving power . . . . . 3.8 W.
$2.50 Amateur Net

810—High-mu Triode.
Max. plate voltage . . . . . 2250 V.
Max. d-c plate input . . . . . 620 W.
Grid driving power . . . . . 12 W.
$13.50 Amateur Net

811—High-mu **812**—Medium-mu Triodes
Max. plate voltage . . . . . 1500 V.
Max. d-c plate input . . . . . 225 W.
Grid driving power . . . . . 8, 6.5 W.
$3.50 each Amateur Net

814—Beam Power Tetrode.
Max. plate voltage . . . . . 1500 V.
Max. d-c plate input . . . . . 225 W.
Grid driving power . . . . . 1.5 W.
$17.50 Amateur Net

828—Beam Power Amplifier.
Max. plate voltage . . . . . 1500 V.
Max. d-c plate input . . . . . 270 W.
Grid driving power . . . . . 2.2 W.
$17.50 Amateur Net

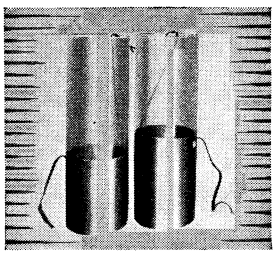
RCA Radio Tubes

FIRST IN METAL—FOREMOST IN GLASS—FINEST IN PERFORMANCE

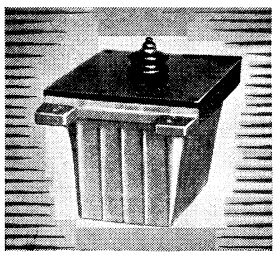
RCA MANUFACTURING CO., INC., CAMDEN, N. J. A Service of The Radio Corporation of America

RADIO,

We knew you when...



LEYDEN JAR



ORIGINAL DUBILIER TRANSMITTING CAPACITOR

Those first crude efforts to communicate sound—well do we remember. We had just developed the first transmitting capacitor, replacing the old cumbersome Leyden jar. And you, Radio, made it your own.

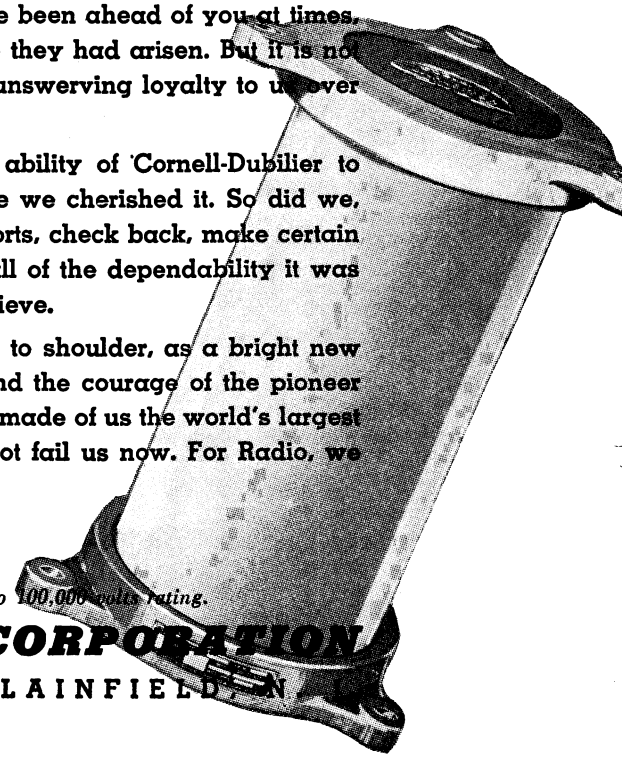
How quickly you grew, and how big. Each swiftly changing scene in your meteoric career brought new demands . . . demands undreamed a decade before. Yet, through it all, Cornell-Dubilier kept pace. In laboratories whose lights burned far into the night, our staff of researchers worked hand in hand with seasoned engineers exploring, developing, perfecting new capacitor types to meet your expanding broadcast requirements.

Yes, Radio, we kept the pace. Indeed, we have been ahead of you at times, anticipating your capacitor needs even before they had arisen. But it is not for this we pride ourselves. Rather, it is your unswerving loyalty to us over the trying years.

Early that confidence you displayed in the ability of Cornell-Dubilier to deliver became as a challenge to us. So have we cherished it. So did we, time and again because of it, redouble our efforts, check back, make certain that the C-D capacitor of the day possessed all of the dependability it was possible for the hand and brain of man to achieve.

So, Radio, we stand with you today, shoulder to shoulder, as a bright new dawn comes over the horizon—Television! And the courage of the pioneer that has served us for three dramatic decades, made of us the world's largest manufacturer of capacitors exclusively, will not fail us now. For Radio, we knew you when.

Send for Transmitting Capacitor Catalog 160T



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Complete listing of Mica and Dykanol capacitors in all capacities—up to 100,000 volts rating.

CORNELL-DUBILIER ELECTRIC CORPORATION

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RADIO AMATEUR CALL BOOK

MAGAZINE

Radio Amateur Call Book is the only publication listing all licensed radio amateurs throughout the entire world. This is the official call-book for the Radio Society of Great Britain and radio amateur organizations everywhere.

W9OKZ—HAROLD A. RENSCH
Editor

HERBERT F. GRIEM
Assistant Editor

P. I. WERVE
Assistant Editor

D. A. SCHROEDER
Circulation Manager

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CONTENTS

INTERNATIONAL PREFIXES

The following are considered separate countries. Characters in ( ) designate the continent and zone in which the country is located. Example 1: U5 is considered a separate country, it is on the continent of Europe in the sixteenth zone. Example 2: KF6 is on the continent of Oceania in the thirty-first zone and any ONE Island will constitute the group and be considered a separate country.

NA—North America **A—Asia**
SA—South America **AF—Africa**
E—Europe **O—Oceania**

AC4	(A-23)	TIBET
AR	(A-20)	SYRIA
CE	(SA-12)	CHILE
CM-CO	(NA-8)	CUBA
CN8	(AF-33)	MOROCCO (French)
CP	(SA-10)	BOLIVIA
CR4	(AF-35)	CAPE VERDE IS.
CR5	(AF-35)	PORTUGUESE GUINEA
CR6	(AF-36)	ANGOLA
CR7	(AF-37)	MOZAMBIQUE
CR8	(A-22)	PORTUGUESE INDIA
CR9	(A-24)	MACAU
CR10	(O-28)	TIMOR I.
CT1	(E-14)	PORTUGAL
CT2	(E-14)	AZORES IS.
CT3	(AF-33)	MADEIRA IS.
CX	(SA-13)	URUGUAY
D	(E-14)	GERMANY
EA	(E-14)	SPAIN
EA6	(E-14)	BALEARIC IS.
EA8	(AF-33)	CANARY IS.
EA9	(AF-33)	MOROCCO (Spanish)
EI	(E-14)	IRELAND
EK1	(AF-33)	TANGIER ZONE
EL	(AF-35)	LIBERIA
EP	(A-21)	IRAN (exPersia)
ES	(E-15)	ESTONIA
F	(E-14)	FRANCE
FA	(AF-33)	ALGERIA
FB8	(AF-39)	MADAGASCAR
FD8	(AF-35)	TOGOLAND (French)
FE8	(AF-36)	CAMEROONS (French)
FF8	(AF-35)	FR. WEST AFRICA
FG8	(NA-8)	GUADELOUPE
FI8	(A-26)	FR. INDO-CHINA
FK8	(O-32)	NEW CALEDONIA
FL8	(AF-37)	FRENCH SOMALILAND
FM8	(NA-8)	MARTINIQUE
FN	(A-22)	FRENCH INDIA
FO8	(O-32)	TAHITI
FP8	(NA-5)	MIQUELON & ST. PIERRE IS.
FQ8	(AF-36)	FR. EQUATORIAL AFRICA
FR8	(AF-39)	REUNION
FT4	(AF-33)	TUNIS
FU8, YJ	(O-32)	NEW HEBRIDES
FY8	(SA-9)	FRENCH GUIANA
G	(E-14)	CHANNEL IS.
G	(E-14)	ENGLAND
G	(E-14)	ISLE OF MAN
GI	(E-14)	NORTHERN IRELAND
GM	(E-14)	SCOTLAND
GW	(E-14)	WALES
HA	(E-15)	HUNGARY
HB	(E-14)	SWITZERLAND
HC	(SA-10)	ECUADOR
HH	(NA-8)	HAITI
HI	(NA-8)	DOMINICAN REP.
HK	(SA-9)	COLOMBIAN REP.
HP	(NA-7)	PANAMA
HR	(NA-7)	HONDURAS
HS	(A-26)	THAILAND
HZ	(A-21)	HEDJAZ
I	(E-15)	ITALY
I7	(AF-37)	ETHIOPIA
J	(A-25)	JAPAN
J8	(A-25)	CHOSEN (Korea)
J8P	(A-24)	KWANTUNG
J9C	(A-24)	TAIWAN (Formosa)
J9P	(O-31)	MARSHALL IS.
KA	(O-27)	PHILIPPINE IS.
K4	(NA-8)	PORTO RICO
K4, KB4	(NA-8)	VIRGIN IS.
KC4		ANTARCTICA
K5, NY	(NA-7)	CANAL ZONE
K6	(O-31)	HAWAIIAN IS.
KB6	(O-27)	GUAM
KC6	(O-31)	WAKE I.
KD6	(O-31)	MIDWAY I.
KE6	(O-31)	JOHNSTON I.
KF6	(O-31)	BAKER, HOWLAND, ENDERBURY, CANTON
KG6	(O-30)	JARVIS I.
KH6	(O-32)	SAMOA (U.S.)
K7	(NA-1)	ALASKA
LA	(E-14)	NORWAY
LB*	(E-40)	JAN MAYEN I.
LU	(SA-13)	ARGENTINA
LX	(E-14)	LUXEMBOURG
LY	(E-15)	LITHUANIA
LZ	(E-20)	BULGARIA
MX	(A-24)	MANCHUKUO
NY2	(see Canal Zone, not a separate country)	
NY4	(see Cuba, not a separate country)	
OA	(SA-10)	PERU
OH	(E-15)	FINLAND
ON	(E-14)	BELGIUM
OQ5	(AF-36)	BELGIAN CONGO
OX	(NA-40)	GREENLAND
OY	(E-14)	FAEROES IS.
OY	(E-40)	JAN MAYEN I.
OZ	(E-14)	DENMARK
PA	(E-14)	NETHERLANDS
PJ	(SA-9)	CURACAO
PK1, 2, 3	(O-28)	JAVA
PK4	(O-28)	SUMATRA
PK5	(O-28)	BORNEO (Neth. Indies)
PK6	(O-28)	CELEBES & MOLUCCA IS.
PK6	(O-28)	NEW GUINEA (Neth. Indies)
PX	(E-14)	ANDORRA
PY	(SA-11)	BRAZIL
PZ	(SA-9)	SURINAM
SM	(E-14)	SWEDEN
SP	(E-15)	POLAND
ST	(AF-34)	SUDAN
SU	(AF-34)	EGYPT
SV	(E-20)	CRETE
SV	(E-20)	GREECE
TA	(E & A-20)	TURKEY
TF	(E-40)	ICELAND
TG	(NA-7)	GUATEMALA
TI	(NA-7)	COSTA RICA
U1-3-4-7	(E-16)	European R.S.F.S.R.
U2	(E-16)	White R.S.S.R.
U5	(E-16)	Ukranian S.S.R.
U6	(E-21)	Transcaucasian S.F.S.R.
U8	(A-17)	Uzbeck S.S.R.
U8	(A-17)	Turkoman S.S.R.
U9-0	(A-18-19)	Asiatic S.F.S.R.
VE	(NA-1 to 5)	CANADA
VK	(O-29-30)	AUSTRALIA
VK4	(O-28)	PAPUA TERRITORY
VK7	(O-30)	TASMANIA
VK9	(O-28)	NEW GUINEA (Ter. of)
VO	(NA-5)	NEWFOUNDLAND & LABRADOR (NA-2)
VP1	(NA-7)	BRITISH HONDURAS
VP2	(NA-8)	LEEWARD IS.
VP2	(NA-8)	WINDWARD IS.
VP3	(SA-9)	BRITISH GUIANA
VP4	(SA-9)	TRINIDAD & TOBAGO IS.
VP5	(NA-8)	CAYMAN IS.
VP5	(NA-8)	JAMAICA
VP5	(NA-8)	TURKS & CAICOS IS.
VP6	(NA-8)	BARBADOS
VP7	(NA-8)	BAHAMA IS.
VP8	(SA-13)	FALKLAND IS.
VP8	(SA-13)	SOUTH GEORGIA
VP8	(SA-13)	SOUTH ORKNEY IS.
VP8	(SA-13)	SOUTH SHETLAND IS.
VP9	(NA-5)	BERMUDA IS.
VQ1	(AF-37)	ZANZIBAR
VQ2	(AF-36)	NORTHERN RHODESIA
VQ3	(AF-37)	TANGANYIKA
VQ4	(AF-37)	KENYA
VQ5	(AF-37)	UGANDA
VQ6	(AF-37)	BRITISH SOMALILAND
VQ8	(AF-39)	CHAGOS IS.
VQ8	(AF-39)	MAURITIUS
VQ9	(AF-39)	SEYCHELLES
VR1	(O-31)	GILBERT & ELLICE IS. & OCEAN I.
VR2	(O-32)	FIJI IS.
VR3	(O-31)	FANNING IS.
VR4	(O-31)	SOLOMON IS.
VR5	(O-32)	TONGA (Friendly) IS.
VR6	(O-32)	PITCAIRN I.
VS1	(A-28)	STRAITS SETTLEMENTS
VS2	(A-28)	FED. MALAY STATES
VS3	(A-28)	NON-FED. MALAY STATES
VS4	(O-28)	BRITISH NORTH BORNEO
VS5	(O-28)	SARAWAK
VS6	(A-24)	HONG KONG
VS7	(A-22)	CEYLON
VS9	(A-22)	MALDIVE IS.
VU	(A-22)	INDIA
VU7	(A-21)	BAHREIN IS.
W	(NA-3-4-5)	UNITED STATES
XE	(NA-6)	MEXICO
XU	(A-23-24)	CHINA
XZ	(A-26)	BURMA
YA	(A-21)	AFGHANISTAN
YI	(A-21)	IRAQ
YJ	(see FU8, not a separate country)	
YL	(E-15)	LATVIA
YM	(E-15)	DANZIG
YN	(NA-7)	NICARAGUA
YR	(E-20)	ROUMANIA
YS	(NA-7)	SALVADOR
YT-YU	(E-15)	YUGOSLAVIA
YV	(SA-9)	VENEZUELA
ZA	(E-15)	ALBANIA
ZB1	(E-15)	MALTA
ZB2	(E-14)	GIBRALTAR
ZC1	(A-20)	TRANSJORDANIA
ZC2	(O-28)	COCOS IS.
ZC3	(O-31)	CHRISTMAS IS.
ZC4	(E-20)	CYPRUS
ZC6	(A-20)	PALESTINE
ZD1	(AF-35)	SIERRA LEONE
ZD2	(AF-35)	NIGERIA
ZD3	(AF-35)	GAMBIA
ZD4	(AF-35)	GOLD COAST & TOGOLAND (British)
ZD6	(AF-37)	NYASALAND
ZD7	(AF-36)	SAINT HELENA
ZD8	(AF-36)	ASCENSION I.
ZD9	(AF-38)	TRISTAN DA CUNHA
ZE	(AF-38)	SOUTHERN RHODESIA
ZK1	(O-32)	COOK IS.
ZK2	(O-32)	NIUE
ZL	(O-32)	NEW ZEALAND
ZM	(O-32)	SAMOA (Western)
ZP	(SA-11)	PARAGUAY
ZS	(AF-38)	SOUTH AFRICA (Union of)
ZS3	(AF-38)	SOUTHWEST AFRICA

* Temporary portable prefix.

R-S-T Reporting System

(Originated by W2BSR)

Readability

1—UNREADABLE.
2—BARELY READABLE—OCCASIONAL WORDS DISTINGUISHABLE.
3—READABLE WITH CONSIDERABLE DIFFICULTY.
4—READABLE WITH PRACTICALLY NO DIFFICULTY.
5—PERFECTLY READABLE.

Signal Strength

1—FAINT—SIGNALS BARELY PERCEPTIBLE.
2—VERY WEAK SIGNALS.
3—WEAK SIGNALS.
4—FAIR SIGNALS.
5—FAIRLY GOOD SIGNALS.
6—GOOD SIGNALS.
7—MODERATELY STRONG SIGNALS.
8—STRONG SIGNALS.
9—EXTREMELY STRONG SIGNALS

TONE

1—EXTREMELY ROUGH, HISSING NOTE.
2—VERY ROUGH A.C. NOTE—NO TRACE OF MUSICALITY.
3—ROUGH, LOW-PITCHED A.C. NOTE—SLIGHTLY MUSICAL.
4—RATHER ROUGH A.C. NOTE—MODERATELY MUSICAL.
5—MUSICALLY MODULATED NOTE.
6—MODULATED NOTE—SLIGHT TRACE OF WHISTLE.
7—NEAR D.C. NOTE—SMOOTH RIPPLE.
8—GOOD D.C. NOTE—JUST TRACE OF RIPPLE.
9—PUREST D.C. NOTE.

IF THE NOTE APPEARS TO BE CRYSTAL CONTROLLED, SIMPLY ADD AN X AFTER THE APPROPRIATE NUMBER.

PREFIXES—BY COUNTRIES

The following countries are listed in the same alphabetical order as they appear in the foreign section. When a country is followed by (see under) it is listed under the country referred to. Example: GM, Scotland is listed under Great Britain in the foreign section. Figures in ( ) show the amount of postage required when mailing from the United States and Possessions. The first figure is for letters (first ounce or fraction) and the second for postal cards (QSLs).

AFGHANISTAN	(5, 3)	YA
ALASKA	(3, 1)	K7
ALBANIA	(5, 3)	ZA
ALGERIA	(5, 3)	FA
ANDORRA	(5, 3)	PX
ANGOLA	(5, 3)	CR6
ANTARCTICA		KC4
ANTIGUA	(5, 3)	VP2
ARGENTINA	(3, 2)	LU
ASCENSION I.	(5, 3)	ZD8
AUSTRALIA	(5, 3)	VK
AZORES IS.	(5, 3)	CT2
BAHAMA IS.	(5, 3)	VP7
BAHREIN IS.	(5, 3)	VU7
BAKER I.	(3, 1)	KF6
BALEARIC IS.	(see under Spain)	
BARBADOS	(5, 3)	VP6
BELGIAN CONGO	(5, 3)	OQ5
BELGIUM	(5, 3)	ON
BERMUDA IS.	(5, 3)	VP9
BOLIVIA	(3, 2)	CP
BORNEO (Br. North)	(5, 3)	VS4
BORNEO (Neth. Indies)	(see under Neth. Indies)	
BRAZIL	(3, 2)	PY
BRITISH GUIANA	(5, 3)	VP3
BRITISH HONDURAS	(5, 3)	VP1
BR. SOLOMON IS.	(5, 3)	VR4
BULGARIA	(5, 3)	LZ
BURMA	(5, 3)	XZ
CAMEROONS (British)	(see under Nigeria)	
CAMEROONS (French)	(5, 3)	FE8
CANADA	(3, 2)	VE
CANAL ZONE	(3, 1)	K5, NY
CANARY IS.	(see under Spain)	
CANTON I.	(3, 1)	KF6
CAPE VERDE IS.	(5, 3)	CR4
CAYMAN IS.	(5, 3)	VP5
CELEBES IS.	(see under Neth. Indies)	
CEYLON	(5, 3)	VS7
CHAGOS IS.	(see under Mauritius)	
CHANNEL IS.	(see under Great Britain)	
CHILE	(3, 2)	CE
CHINA	(5, 3)	XU
CHOSEN (Korea)	(see under Japan)	
CHRISTMAS I.	(5, 3)	ZC3
COCOS IS.	(5, 3)	ZC2
COLOMBIAN REP.	(3, 2)	HK
COOK IS.	(5, 3)	ZK1
COSTA RICA	(3, 2)	TI
CRETE	(see under Greece)	
CUBA	(3, 2)	CM,CO,NY4
CURACAO	(5, 3)	PJ
CYPRUS	(5, 3)	ZC4
DANZIG	(5, 3)	YM
DENMARK	(5, 3)	OZ
DOMINICA	(3, 2)	VP2
DOMINICAN REP.	(3, 2)	HI
DUTCH EAST INDIES	(see Neth. Indies)	
ECUADOR	(3, 2)	HC
EGYPT	(5, 3)	SU
ELLICE IS.	(see under Gilbert & Ellice Is.)	
ENDERBURY I.	(3, 1)	KF6
ENGLAND	(see under Great Britain)	
ESTONIA	(5, 3)	ES
ETHIOPIA	(5, 3)	I7
FAEROES IS.	(5, 3)	OY
FALKLAND IS.	(5, 3)	VP8
FANNING I.	(5, 3)	VR3
FED. MALAY STATES	(see under Malaya)	
FIJI IS.	(5, 3)	VR2
FINLAND	(5, 3)	OH
FRANCE	(5, 3)	F
FR. EQUATORIAL AFRICA	(5, 3)	FQ8
FRENCH GUIANA	(5, 3)	FY8
FRENCH INDIA	(5, 3)	FN
FR. INDO-CHINA	(5, 3)	FI8
FRENCH W. AFRICA	(5, 3)	FF8
GAMBIA	(5, 3)	ZD3
GERMANY	(5, 3)	D
GIBRALTAR	(5, 3)	ZB2
GILBERT & ELLICE IS.	(5, 3)	VR1
GOA	(see Portuguese India)	
GOLD COAST	(5, 3)	ZD4
GREAT BRITAIN	(5, 3)	G
GREECE	(5, 3)	SV
GREENLAND	(5, 3)	OX
GRENADA	(5, 3)	VP2
GUADELOUPE	(5, 3)	FG8
GUAM	(3, 1)	KB6
GUATEMALA	(3, 2)	TG
GUIANA (Netherlands)	(see under Surinam)	
HAITI	(3, 2)	HH
HAWAIIAN IS.	(3, 1)	K6
HEDJAZ	(5, 3)	HZ
HONDURAS	(3, 2)	HR
HONG KONG	(5, 3)	VS6
HOWLAND I.	(3, 1)	KF6
HUNGARY	(5, 3)	HA
ICELAND	(5, 3)	TF
INDIA	(5, 3)	VU
IRAN (ex-Persia)	(5, 3)	EP
IRAQ	(5, 3)	YI
IRELAND	(5, 3)	EI
ISLE OF MAN	(see under Great Britain)	
ITALY	(5, 3)	I
JAMAICA	(5, 3)	VP5
JAN MAYEN I.	(5, 3)	OY
JAPAN	(5, 3)	J
JARVIS I. (Palmyra group)	(3, 1)	KG6
JAVA	(see under Neth. Indies)	
JOHNSTON I.	(3, 1)	KE6
KENYA	(5, 3)	VQ4
KWANTUNG	(see under Japan)	
LABRADOR	(see under Newfoundland)	
LATVIA	(5, 3)	YL
LEEWARD IS.	(Alphabetically listed by Islands)	
LIBERIA	(5, 3)	EL
LITHUANIA	(5, 3)	LY
LUXEMBOURG	(5, 3)	LX
MACAU	(5, 3)	CR9
MADAGASCAR	(5, 3)	FB8
MADEIRA IS.	(5, 3)	CT3
MALAYA	(5, 3)	VS
MALDIVE IS.	(5, 3)	VS9
MALTA	(5, 3)	ZB1
MANCHUKUO	(5, 3)	MX
MARSHALL IS.	(see under Japan)	
MARTINIQUE	(5, 3)	FM8
MAURITIUS	(5, 3)	VQ8
MEXICO	(3, 2)	XE
MIDWAY I.	(3, 1)	KD6
MIQUELON & ST. PIERRE IS.	(5, 3)	FP8
MOLUCCA IS.	(see under Neth. Indies)	
MOROCCO (French)	(5, 3)	CN8
MOROCCO (Spanish)	(see under Spain)	
MOZAMBIQUE	(5, 3)	CR7
NETHERLANDS	(5, 3)	PA, PI
NETHERLAND INDIES	(5, 3)	PK
NETH. WEST INDIES	(see under Curacao)	
NEW CALEDONIA	(5, 3)	FK8
NEWFOUNDLAND	(3, 2)	VO
NEW GUINEA (Neth. Indies)	(see under Neth. Indies)	
NEW GUINEA (Ter. of)	(see under Australia)	
NEW HEBRIDES	(5, 3)	FU8, YJ
NEW ZEALAND	(5, 3)	ZL
NICARAGUA	(3, 2)	YN
NIGERIA	(5, 3)	ZD2
NIUE	(5, 3)	ZK2
NON-FED. MALAY STATES	(see under Malaya)	
NORTHERN IRELAND	(see under Great Britain)	
NORTHERN RHODESIA	(5, 3)	VQ2
NORWAY	(5, 3)	LA
NYASALAND	(5, 3)	ZD6
OCEAN I.	(see Gilbert & Ellice Is.)	
PALESTINE	(5, 3)	ZC6
PANAMA	(3, 2)	HP
PAPUA TERRITORY	(see under Australia)	
PARAGUAY	(3, 2)	ZP
PERSIA	(see Iran)	
PERU	(3, 2)	OA
PHILIPPINE IS.	(3, 1)	KA
PHOENIX IS. (U. S.)	(Alphabetically listed by Islands)	
PITCAIRN I.	(5, 3)	VR6
POLAND	(5, 3)	SP
PORTO RICO	(3, 1)	K4
PORTUGAL	(5, 3)	CT1
PORTUGUESE GUINEA	(5, 3)	CR5
PORTUGUESE INDIA	(5, 3)	CR8
REUNION IS.	(5, 3)	FR8
ROUMANIA	(5, 3)	YR
SAINT HELENA	(5, 3)	ZD7
SAINT KITTS	(5, 3)	VP2
SAINT LUCIA	(5, 3)	VP2
SAINT VINCENT	(5, 3)	VP2
SALVADOR	(3, 2)	YS
SAMOA (U. S.)	(3, 1)	KH6
SAMOA (Western)	(5, 3)	ZM6
SARAWAK	(5, 3)	VS5
SCOTLAND	(see under Great Britain)	
SEYCHELLES	(5, 3)	VO9
SIBERIA	(see U. S. S. R.)	
SIERRA LEONE	(5, 3)	ZD1
SOMALILAND (British)	(5, 3)	VQ6
SOMALILAND (French)	(5, 3)	FL8
SOUTH AFRICA	(5, 3)	ZS
SOUTH GEORGIA	(5, 3)	VP8
SOUTH ORKNEY IS.	(5, 3)	VP8
SOUTH SHETLAND IS.	(5, 3)	VP8
SOUTHERN RHODESIA	(5, 3)	ZE
SOUTHWEST AFRICA	(see under South Africa)	
SPAIN	(3, 2)	EA
STRAITS SETTS	(see under Malaya)	
SUDAN	(5, 3)	ST
SUMATRA	(see under Neth. Indies)	
SURINAM	(5, 3)	PZ
SWEDEN	(5, 3)	SM
SWITZERLAND	(5, 3)	HB
SYRIA	(5, 3)	AR
TAHITI	(5, 3)	FO8
TAIWAN (Formosa)	(see under Japan)	
TANGANYIKA	(5, 3)	VQ3
TANGIER ZONE	(5, 3)	EK1
TASMANIA	(see under Australia)	
THAILAND	(5, 3)	HS
TIBET	(5, 3)	AC4
TIMOR (Portuguese)	(5, 3)	CR10
TOBAGO	(5, 3)	VP4
TOGOLAND (British)	(5, 3)	ZD4
TOGOLAND (French)	(5, 3)	FD8
TONGA (Friendly) IS.	(5, 3)	VR5
TRANSJORDANIA	(5, 3)	ZC1
TRINIDAD	(5, 3)	VP4
TRISTAN DA CUNHA	(5, 3)	ZD9
TUNIS	(5, 3)	FT4
TURKEY	(5, 3)	TA
TURKS & CAICOS IS.	(5, 3)	VP5
UGANDA	(5, 3)	VQ5
UNITED STATES	(3, 1)	W
U. S. NAVAL COMMUNICATION RESERVE STATIONS	(3, 1)	N
URUGUAY	(3, 2)	CX
U. S. S. R.	(5, 3)	U
VENEZUELA	(3, 2)	YV
VIRGIN IS.	(3, 1)	K4, KB4
WAKE IS.	(3, 1)	KC6
WALES	(see under Great Britain)	
WINDWARD IS.	(Alphabetically listed by Islands)	
YUGOSLAVIA	(5, 3)	YT, YU
ZANZIBAR	(5, 3)	VQ1

NOTICE TO RADIO AMATEURS

We are often requested to change the first or middle name, or to include professional titles. For obvious reasons this can be done only when it becomes necessary to change the address.

Your attention is invited to our bold face listing service. For one dollar you can have your call listed in ten point Memphis bold type for a full year—(four issues). If your listing requires more than three lines add twenty-five cents for each additional line. (Mention of commercial affiliations can not be accepted).

In case you desire to have your nickname mentioned in your QRA we suggest that you subscribe for a bold face listing.

Please do not ask us to include the fact that you are a member of a military or naval radio organization as we have been requested to omit this.

Also our policy of mentioning ex-calls in the regular listings has been discontinued. If you want this included may we again suggest a bold face listing.

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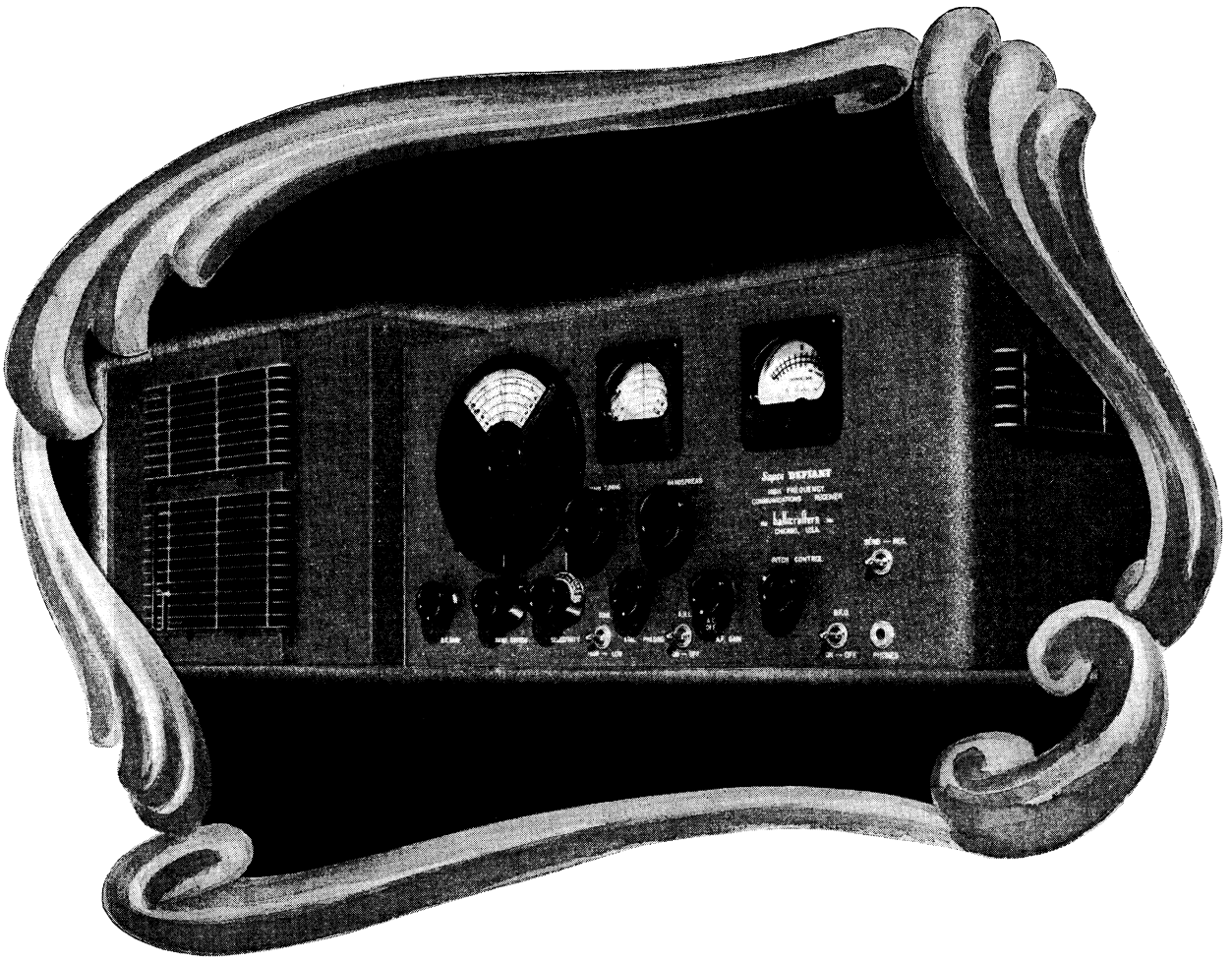
U.S. Amateurs are requested not to write the F.C.C. regarding unassigned calls



The New SUPER DEFIANT

A receiver *even better* than the famed SX-17 for *$50.00 less!* It represents a definite peak in communications science.

The general circuit design is based on America's best selling amateur receiver—the Skyrider Defiant. But the SUPER Defiant has MORE PRESELECTION and MORE AND BETTER AUDIO and general perfections throughout—a much better image and signal-to-noise ratio through an automatic noise limiter, giving even more usable sensitivity than ever before. Improved crystal action, giving far better CW reception through the reduction of interference. Its push-pull output stage gives it *eight watts* of undistorted output. Compensation in oscillator circuit for frequency stability. Six-step variable selectivity covering wider range from extreme CW crystal to high fidelity. S meter calibrated in "S" and DB units.

Every function of the circuit is controlled from the front panel: R.F. Gain, Selectivity Switch, Crystal Phasing, Audio Gain, Pitch Control, Main Tuning Control, Bandspread Tuning Control, ANL Switch, Hi-Lo Tone, Send-Receive Switch and BFO Switch, Headphone Jack, etc.

It has a continuous range from 540 kc to 42 mc in 4 bands. There is a separate calibrated electrical bandspread dial for the 10, 20, 40 and 80 meter bands—affording Frequency Meter Tuning on these bands. And the SUPER DEFIANT sells COMPLETE with CRYSTAL, SPEAKER and TUBES for only $99.50.

Such a price on such a receiver is possible, we believe, only from the "world's largest." You can see it at your Jobber's TODAY!

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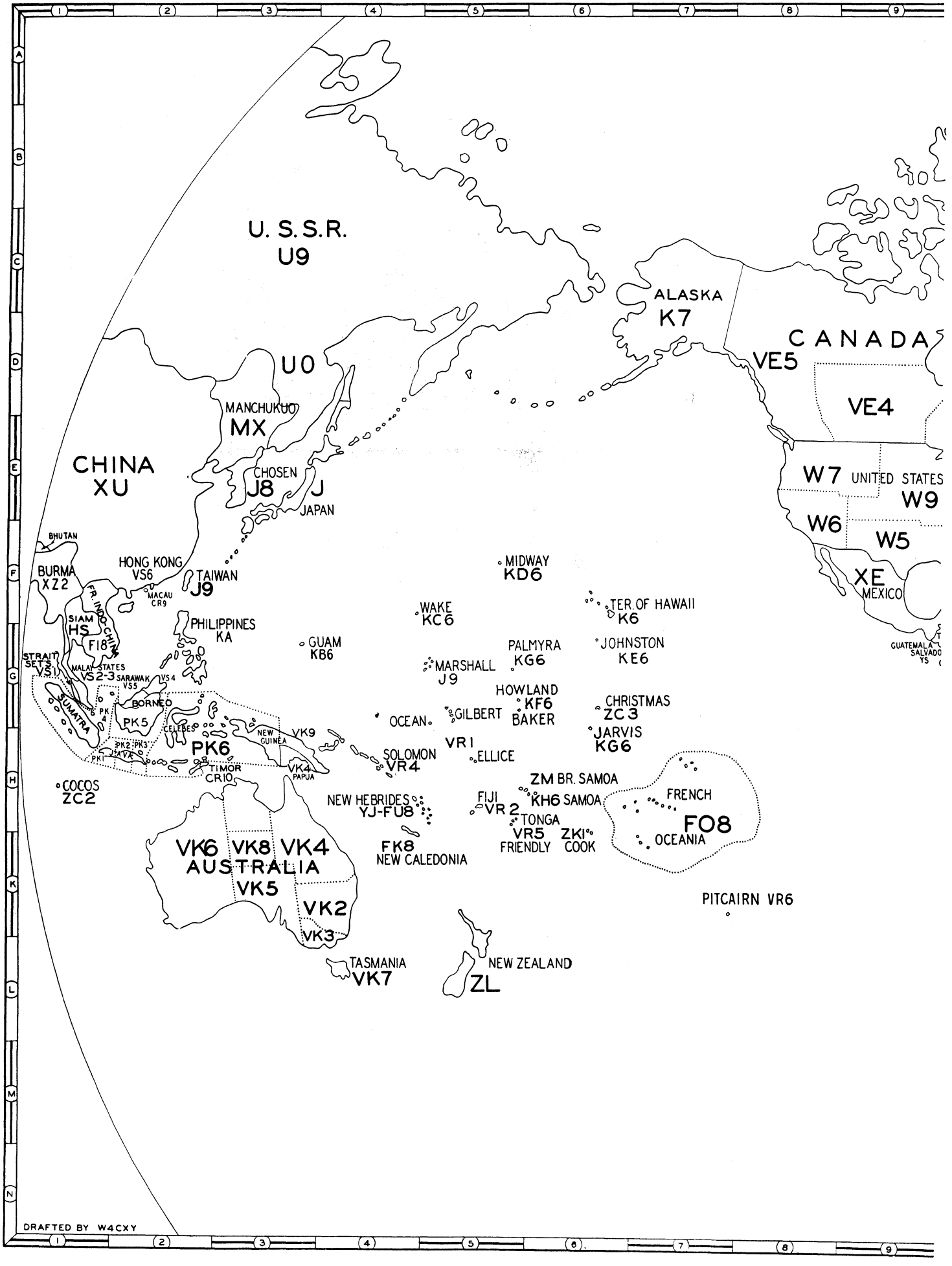
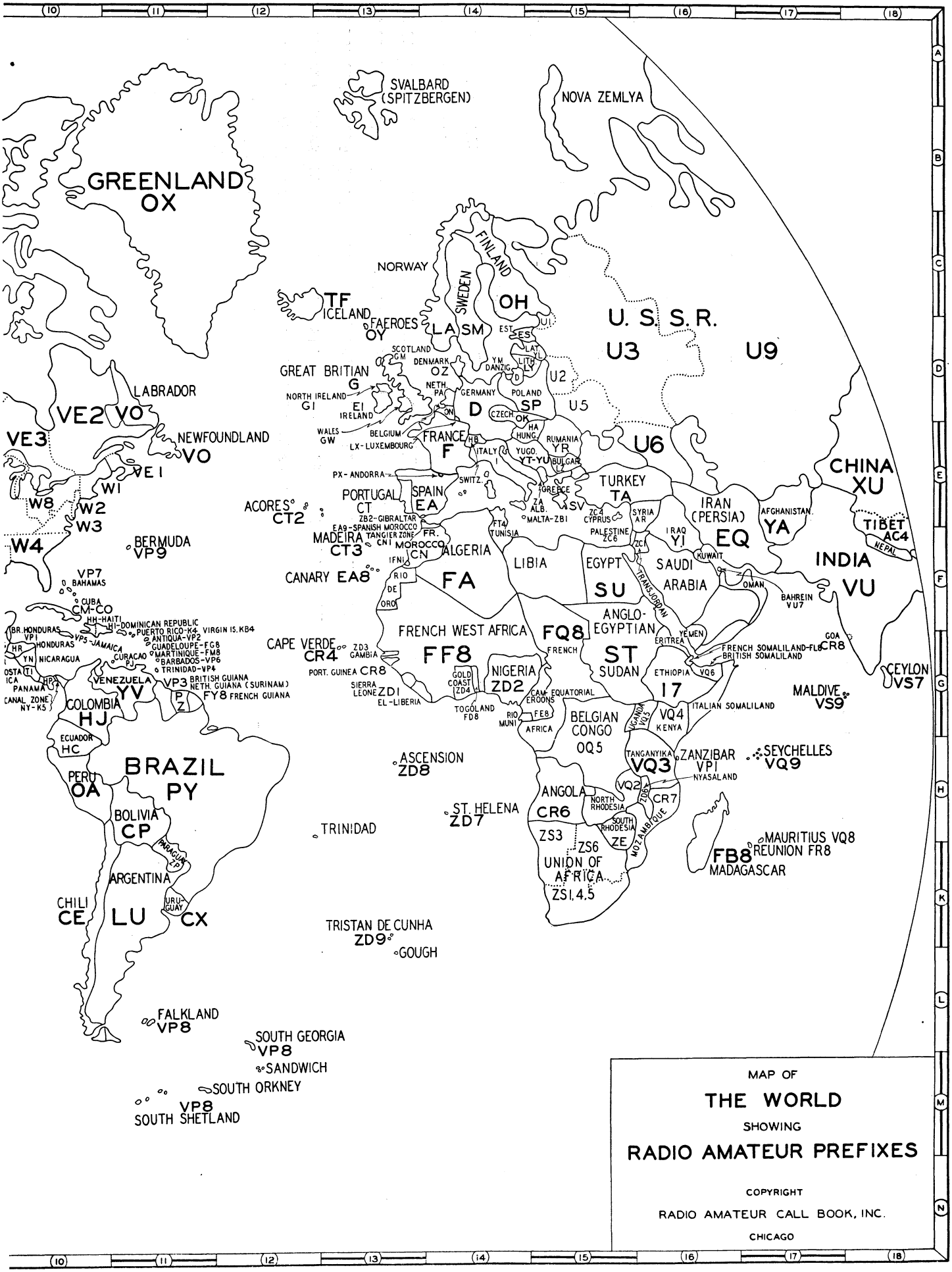
Tell 'Em You Saw It in the Radio Amateur Call Book Magazine

AMATEUR PREFIXES





MAP OF

THE WORLD

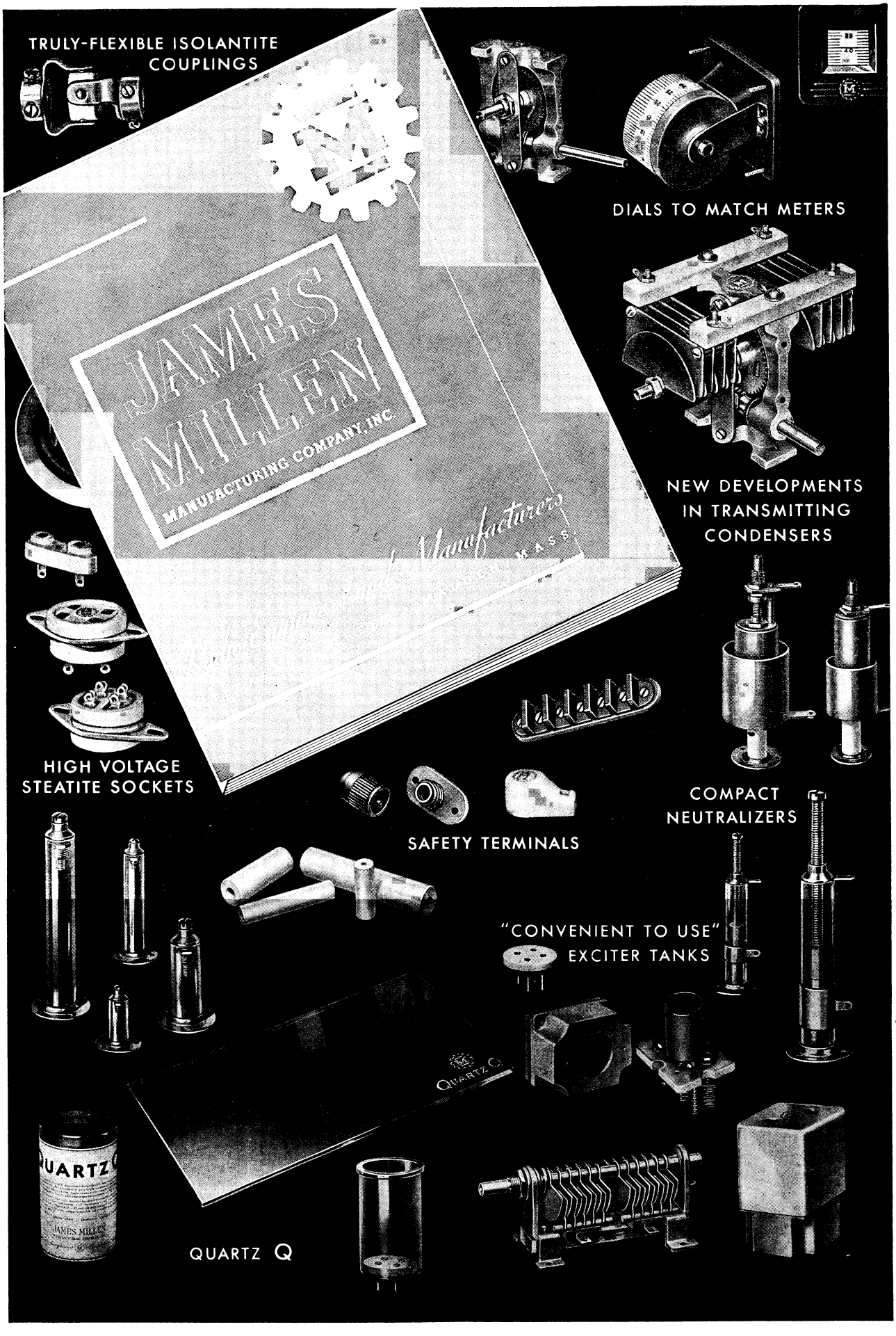
SHOWING

RADIO AMATEUR PREFIXES

WORLD TIME CONVERSION CHART IN HOURS

Greenwich Meridian Time. London, England.	Central Europe. Berlin, Geneva, Stockholm, Vienna.	Eastern Europe. Athens, Cape Town, Cairo, Moscow.	Arabia, Armenia, Ethiopia, Madagascar.	Mauritius, Persia, Reunion Island.	Central Russia, Bombay, India.	Calcutta, Novosibirsk Russia, Tibet.	French Indo China. Siam, Sumatra.	Philippine Islands. Perth, Australia.	Central Australia. Tokyo, Japan.	Eastern Australia. Melbourne, Sydney.	New Caledonia. New Zealand.	International Date Line. Fiji Islands.	Nome, Alaska. Samoa Islands.	Hawaiian Islands. Midway Islands.	Eastern Alaska. Dawson, Juneau.	Pacific Standard Time. Los Angeles, Seattle.	Mountain Standard Time. Calgary, Denver, Phoenix.	Central Standard Time. Chicago, Costa Rica.	Eastern Standard Time. Montreal, New York, Peru.	Atlantic Standard Time. Argentina, Nova Scotia.	Greenland. Rio de Janeiro, Brazil.	Azores.	Iceland. Canary Islands.
0000	1AM	2AM	3AM	4AM	5AM	6AM	7AM	8AM	9AM	10AM	11AM	Noon	1PM	2PM	3PM	4PM	5PM	6PM	7PM	8PM	9PM	10PM	11PM
0100	2AM	3AM	4AM	5AM	6AM	7AM	8AM	9AM	10AM	11AM	Noon	1PM	2PM	3PM	4PM	5PM	6PM	7PM	8PM	9PM	10PM	11PM	Mid Night
0200	3AM	4AM	5AM	6AM	7AM	8AM	9AM	10AM	11AM	Noon	1PM	2PM	3PM	4PM	5PM	6PM	7PM	8PM	9PM	10PM	11PM	Mid Night	1AM
0300	4AM	5AM	6AM	7AM	8AM	9AM	10AM	11AM	Noon	1PM	2PM	3PM	4PM	5PM	6PM	7PM	8PM	9PM	10PM	11PM	Mid Night	1AM	2AM
0400	5AM	6AM	7AM	8AM	9AM	10AM	11AM	Noon	1PM	2PM	3PM	4PM	5PM	6PM	7PM	8PM	9PM	10PM	11PM	Mid Night	1AM	2AM	3AM
0500	6AM	7AM	8AM	9AM	10AM	11AM	Noon	1PM	2PM	3PM	4PM	5PM	6PM	7PM	8PM	9PM	10PM	11PM	Mid Night	1AM	2AM	3AM	4AM
0600	7AM	8AM	9AM	10AM	11AM	Noon	1PM	2PM	3PM	4PM	5PM	6PM	7PM	8PM	9PM	10PM	11PM	Mid Night	1AM	2AM	3AM	4AM	5AM–
0700	8AM	9AM	10AM	11AM	Noon	1PM	2PM	3PM	4PM	5PM	6PM	7PM	8PM	9PM	10PM	11PM	Mid Night	1AM	2AM	3AM	4AM	5AM	6AM
0800	9AM	10AM	11AM	Noon	1PM	2PM	3PM	4PM	5PM	6PM	7PM	8PM	9PM	10PM	11PM	Mid Night	1AM	2AM	3AM	4AM	5AM	6AM	7AM
0900	10AM	11AM	Noon	1PM	2PM	3PM	4PM	5PM	6PM	7PM	8PM	9PM	10PM	11PM	Mid Night	1AM	2AM	3AM	4AM	5AM	6AM	7AM	8AM
1000	11AM	Noon	1PM	2PM	3PM	4PM	5PM	6PM	7PM	8PM	9PM	10PM	11PM	Mid Night	1AM	2AM	3AM	4AM	5AM	6AM	7AM	8AM	9AM
1100	Noon	1PM	2PM	3PM	4PM	5PM	6PM	7PM	8PM	9PM	10PM	11PM	Mid Night	1AM	2AM	3AM	4AM	5AM	6AM	7AM	8AM	9AM	10AM
1200	1PM	2PM	3PM	4PM	5PM	6PM	7PM	8PM	9PM	10PM	11PM	Mid Night	1AM	2AM	3AM	4AM	5AM	6AM	7AM	8AM	9AM	10AM	11AM
1300	2PM	3PM	4PM	5PM	6PM	7PM	8PM	9PM	10PM	11PM	Mid Night	1AM	2AM	3AM	4AM	5AM	6AM	7AM	8AM	9AM	10AM	11AM	Noon
1400	3PM	4PM	5PM	6PM	7PM	8PM	9PM	10PM	11PM	Mid Night	1AM	2AM	3AM	4AM	5AM	6AM	7AM	8AM	9AM	10AM	11AM	Noon	1PM
1500	4PM	5PM	6PM	7PM	8PM	9PM	10PM	11PM	Mid Night	1AM	2AM	3AM	4AM	5AM	6AM	7AM	8AM	9AM	10AM	11AM	Noon	1PM	2PM
1600	5PM	6PM	7PM	8PM	9PM	10PM	11PM	Mid Night	1AM	2AM	3AM	4AM	5AM	6AM	7AM	8AM	9AM	10AM	11AM	Noon	1PM	2PM	3PM
1700	6PM	7PM	8PM	9PM	10PM	11PM	Mid Night	1AM	2AM	3AM	4AM	5AM	6AM	7AM	8AM	9AM	10AM	11AM	Noon	1PM	2PM	3PM	4PM
1800	7PM	8PM	9PM	10PM	11PM	Mid Night	1AM	2AM	3AM	4AM	5AM	6AM	7AM	8AM	9AM	10AM	11AM	Noon	1PM	2PM	3PM	4PM	5PM
1900	8PM	9PM	10PM	11PM	Mid Night	1AM	2AM	3AM	4AM	5AM	6AM	7AM	8AM	9AM	10AM	11AM	Noon	1PM	2PM	3PM	4PM	5PM	6PM
2000	9PM	10PM	11PM	Mid Night	1AM	2AM	3AM	4AM	5AM	6AM	7AM	8AM	9AM	10AM	11AM	Noon	1PM	2PM	3PM	4PM	5PM	6PM	7PM
2100	10PM	11PM	Mid Night	1AM	2AM	3AM	4AM	5AM	6AM	7AM	8AM	9AM	10AM	11AM	Noon	1PM	2PM	3PM	4PM	5PM	6PM	7PM	8PM
2200	11PM	Mid Night	1AM	2AM	3AM	4AM	5AM	6AM	7AM	8AM	9AM	10AM	11AM	Noon	1PM	2PM	3PM	4PM	5PM	6PM	7PM	8PM	9PM
2300	Mid Night	1AM	2AM	3AM	4AM	5AM	6AM	7AM	8AM	9AM	10AM	11AM	Noon	1PM	2PM	3PM	4PM	5PM	6PM	7PM	8PM	9PM	10PM

With this chart you can convert standard time in any time zone to GMT or tell what time it is in other parts of the world. To correctly use this chart visualize each horizontal line as a complete circle. From your time zone tracing horizontally to the right (Counter Clockwise) it will be tomorrow when you pass midnight and yesterday when you pass the international date line. To the left (Clockwise) it will be yesterday when you pass midnight and tomorrow when you pass the international date line. There is no change in date when you pass both midnight and the international date line going in one direction. For instance at 8 PM in New York Eastern Standard Time it is 2 AM tomorrow in Berlin, Germany and 11 AM tomorrow in Sydney, Australia. Always trace in the shortest direction from your time zone to find what time it is in any other zone.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